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mens which he exhibited to the Academy. He also, in reply to inquiries proposed by Professor Henry B. Rogers, stated the result of his observations in regard to the different depths inhabited by Echinoderms in the ocean.

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**Three hundred and forty-seventh meeting.**

**May 6, 1851. — MONTHLY MEETING.**

The **PRESIDENT** in the chair.

Mr. Everett read a part of a letter from Sir John Herschel, expressing a high opinion of the power of the astronomical telescope belonging to the Cambridge Observatory, and of Mr. Bond as a skilful observer; and ascribing to him priority in the discovery of the new ring of Saturn.

Mr. Guyot gave an account of some recent discoveries relating to the geography of the interior of Africa, and expressed his views at considerable length in regard to the general configuration of the African continent. Remarks upon the same subject were made by the President, Mr. Everett, Judge Shaw, Professor Horsford, and Professor Caswell. Mr. Guyot presented to the Academy a pamphlet in the German language by C. Ritter, relating to the same matter.

Dr. W. F. Channing offered some remarks respecting Foucault's pendulum experiment, and suggested the idea of supporting the pendulum by magnetic attraction or upon an agate in an exhausted receiver, as a means of obviating the effects of friction and the resistance of the air.

Mr. J. H. Abbot communicated and explained the results of a new experiment in Hydraulics. He stated that, — while water flowing from a cistern through a straight, horizontal, cylindrical tube, escapes, if small lateral holes are made in it, through those holes in jets, contrary to a proposition laid down by Bossut, — the opposite effect takes place, if the end of the tube is made conically divergent, and small glass tubes descend from the holes into vessels containing water. In this case, water ascends and is discharged into the horizontal tube,

not only, as shown by Daniel Bernouilli, through the holes in the divergent part, but also through holes in the contiguous portion of the cylindrical part. In the experiment performed, the angle of divergency from the axis of the tube was four degrees and a half.

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**Three hundred and forty-eighth meeting.**

May 28, 1851. — ANNUAL MEETING.

The PRESIDENT in the chair.

Mr. B. A. Gould, Jr., laid before the Academy a letter from the widow of the late Professor Schumacher, gratefully acknowledging the receipt of the letter of condolence, on account of the recent death of her husband, addressed to her by the committee of the Academy appointed for that purpose.

It was then voted to proceed to the choice of officers for the ensuing year. The following gentlemen were chosen officers of the Academy, viz.:—

JACOB BIGELOW, M. D., . . *President.*

HON. EDWARD EVERETT, . . *Vice-President.*

AUGUSTUS A. GOULD, M. D., . *Corresponding Secretary.*

JOSEPH HALE ABBOT, . . . *Recording Secretary.*

J. INGERSOLL BOWDITCH, . . *Treasurer.*

HENRY I. BOWDITCH, M. D., *Librarian.*

The following gentlemen were chosen members of the several Standing Committees, viz.:—

*Rumford Committee.*

EBEN N. HORSFORD,	JOSEPH LOVERING,
DANIEL TREADWELL,	HENRY L. EUSTIS,
MORRILL WYMAN.	

*Committee of Publication.*

JOSEPH LOVERING,	LOUIS AGASSIZ,	W. C. BOND.
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*Committee on the Library.*

A. A. GOULD,	D. H. STORER,	S. L. ABBOT.
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